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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	TI-36502
First Inventor	Xiaohui Li
Title	New Architecture for Per Tone Equalizer with Reduced Complexity for DMT-based xDSL Modems
Express Mail Label No.	ER 052971244 US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)2.  Applicant claims small entity status.  
See 37 CFR 1.27.3.  Specification  
(preferred arrangement set forth below)  

- Descriptive title of the Invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

[ Total Pages

13 ]

4.  Drawing(s) (35 U.S.C. 113)

[ Total Sheets

1 ]

5. Oath or Declaration  unsigned

[ Total Pages

1 ]

a.  Newly Executed (original or copy)b.  Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)i. **DELETION OF INVENTOR(S)**

Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6.  Application Data Sheet. See 37 CFR 1.76

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP)

of prior application No: \_\_\_\_\_ / \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

Customer Number or Bar Code Label

23494

(Insert Customer No. or Attach bar code label here)

or 

Correspondence address below

NAME	Texas Instruments Incorporated		
ADDRESS			
CITY	STATE	TX	ZIP CODE
COUNTRY	TELEPHONE	(301) 259-2089	FAX (301) 259-2603

Name (Print/Type)	Robert L. Troik	Registration No. (Attorney/Agent)	R. g. No. 24,183
Signature			Date 12/12/03

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

22386 U.S. PTO  
10/735011

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**FEE TRANSMITTAL**  
**for FY 2003**

Express Mailing Label No.: ER 052971244US

TOTAL AMOUNT OF PAYMENT (\$ 856.00)

**Complete If Known**

Application Number	TBD
Filing Date	Herewith
First Named Inventor	Xiaohui Li
Examiner Name	TBD
Group / Art Unit	TBD
Attorney Docket No.	TI-36502

**METHOD OF PAYMENT**

1.  The Commissioner is hereby authorized to charge to the following Deposit Account.

Deposit Account Number 20-0668

Deposit Account Name Texas Instruments Incorporated

- Charge any additional fee required or credit any overpayment  Charge all indicated fees and any additional fee required or credit any overpayment

2.  Payment Enclosed:

 Check     Money Order     Other
**FEE CALCULATION****1. BASIC FILING FEE**

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
1001	750	2001	370	Utility filing fee	\$770
1002	330	2002	165	Design filing fee	\$
1003	510	2003	255	Plant filing fee	\$
1004	740	2004	370	Reissue filing fee	\$
-1005	160	2005	80	Provisional filing fee	\$
SUBTOTAL (1)					(\$)770

**2. EXTRA CLAIM FEES**

		Extra Claims	Fee from below	Fee Paid
Total Claims	11	-20**=	0 x 18 =	0
Independent Claims	4	-3** =	1 x 86 =	86
Multiple Dependent			290 =	

\*\*or number previously paid, if greater; For Reissue, see below

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	86	2201	42	Independent Claims in excess of 3
1203	280	2203	140	Multiple dependent claims in excess of 3
1204	84	2204	42	**Reissue independent claims over original patent
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)				(\$)86

**3. ADDITIONAL FEES**

Large Fee Code (\$)	Entity Fee (\$)	Small Fee Code (\$)	Entity Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	400	2252	200	Extension of time within second month	
1253	920	2253	460	Extension of time within third month	
1254	1,440	2254	720	Extension of time within fourth month	
1255	1,960	2255	980	Extension of time within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,280	2453	640	Petition to revive - unintentional	
1501	1,280	2501	640	Utility issue fee (or reissue)	
1502	460	2502	230	Design issue fee	
1503	620	2503	310	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1801	740	2801	370	Request for Continued Examination (RCE)	
1806	180	1806	180	Submission of Information Disclosure Stmt.	
8021	40	8021	40	Recording each patent assignment per property (time number of properties)	
1809	740	2809	370	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	740	2801	370	For each additional invention to be examined (37 CFR 1.129(b))	

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

0

Complete (if applicable)

SUBMITTED BY	Robert L. Troike	Reg. Number	24,183
Typed or Printed Name			
Signature	Rober L. Troike	Date	12/12/03
			Deposit Account User ID